

ABSTRACT

The invention relates to IL-6 and IL-6 receptor derived peptides having IL-6 agonistic or antagonistic activity. The peptides are at least 5 amino acids long and are selected from one of the following amino acid sequences: RYILDGISALRK (SEQ ID NO: 1); STKVLIQFLQKKAKNL (SEQ ID NO: 2); ILRSFKEFLQSSLRALRQM (SEQ ID NO: 3); QLSCFRKSPLSNVVC (SEQ ID NO: 4); PRSTPSLTTKAVLLLVRKFQNS (SEQ ID NO: 5); MCVASSVGSKFSKTQTFQGC (SEQ ID NO: 6); PEKPKNLSCIVNEGKKMRCEWDGGR (SEQ ID NO: 7); NFTLKSEQATHKFADCKAKRDTPTS (SEQ ID NO: 8); WVEAENALGKVTS DH (SEQ ID NO: 9); EWGPRSTPSLTTKAVLLLVRKFQNSPAED (SEQ ID NO: 11); or PVYKVKPNPPHNLSVIN (SEQ ID NO: 10). Selected peptides and combinations of selected peptides can be used in the treatment, prevention, detection, or diagnosis of IL-6 related disease and can be used to clear blood or blood products of IL-6 or IL-6 receptor molecules.